

Recovery Plan Action Status

Plan Name: Pecos Bluntnose Shiner

Plan Status: Final

Plan Date: 30-Sep-92

Lead Agency: USFWS

Lead Office: New Mexico Ecological Services Field Office

(505)

346-2525)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Pecos bluntnose shiner (Notropis simus pecosensis)	2	1	Investigate time, location, and duration, of spawning, including fecundity	Partially Complete	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Demographic Studies	Contract, Graduate Student, Species Expert	Two studies have been completed that looked at the transport of eggs into Brantley Reservoir. Cues for spawning and timing are understood. Fecundity has not been examined in detail.
Pecos bluntnose shiner (Notropis simus pecosensis)	1	10	Determine distribution and abundance in relation to dams and reservoirs	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Population Surveys	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	Population surveys are done every year to document shiner distribution and abundance. The Fishery Resources Office conducts the surveys often with the help of NMDGF or other agencies.
Pecos bluntnose shiner (Notropis simus pecosensis)	1	11	Determine influence of pollutants upon distribution and abundance	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, New Mexico Department of Game and Fish, Environmental Protection Agency , USFWS Regional Office 2, Fishery Resources Program, State Water Resources	Work type not yet selected	Labor type not yet selected	

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Pecos bluntnose shiner (Notropis simus pecosensis)	1	12	Determine effects of non-native species interactions	Partially Complete	Prior to FY 1995	FY 2010	U.S. Fish and Wildlife Service, Ecological Services Division, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Predation	Contract	NMDGF conducted a study that was completed in 2000 that looked at the distribution, abundance and food habits of piscivorous fish in the Pecos River. However, competition between the Pecos bluntnose shiner and introduced nonnative fishes has not been examined and still needs to be done.
Pecos bluntnose shiner (Notropis simus pecosensis)	2	13	Identify other modifications that influence distribution and abundance	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2	Research: Habitat Requirements, Research: Habitat Status	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Studies are ongoing to determine factors limiting the Pecos bluntnose shiner. These include looking at the effect of low and intermittent flows on the population. Influence of groundwater depletions and salt cedar (identified in the Recovery Plan) on shiner populations, have not been done.
Pecos bluntnose shiner (Notropis simus pecosensis)	2	14	Acquire water rights and/or conservation easements	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2	Acquisition: Lease, Acquisition: Management Agreement	Contract	Reclamation has been involved in a variety of projects to acquire additional water for the Pecos River. These include leasing ag land from Fort Sumner Irrigation District, creating a Fish Conservation Pool, and buying the water rights of river pumpers. They are currently trying to implement a water banking concept that would increase the size of the fish conservation pool.

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Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	3	15	Re-establish in suitable areas of historic occurrence	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Work type not yet selected	Labor type not yet selected	
Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	3	16	Develop a brood stock	Not Started			New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Work type not yet selected	Labor type not yet selected	Pecos bluntnose shiner are being held at Dexter National Fish Hatchery in 2006 but the intent is to repatriate them back to the river in the fall when flows are secure.
Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	2	17	Identify and evaluate areas for potential reintroduction	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: General	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	The most likely area for reintroduction is immediately above Fort Sumner Dam. However, the feasibility of this idea has not been fully explored.
Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	3	18	Monitor reintroduced populations	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Work type not yet selected	Labor type not yet selected	
Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	3	19	Develop information brochure	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, New Mexico Department of Game and Fish, Public Affairs, USFWS Regional Office 2, Fishery Resources Program	Work type not yet selected	Labor type not yet selected	

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Pecos bluntnose shiner (Notropis simus pecosensis)	3	2	Determine age and growth	Complete	Prior to FY 1995	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Demographic Studies	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	The Fishery Resources Office examined population dynamics, including age and growth of the Pecos bluntnose shiner. Work was done from 1992-2002 and summarized in a report published in 2003.
Pecos bluntnose shiner (Notropis simus pecosensis)	3	20	Utilize video programs to disseminate information	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, New Mexico Department of Game and Fish, Refuges , USFWS Regional Office 2, Fishery Resources Program	Work type not yet selected	Labor type not yet selected	
Pecos bluntnose shiner (Notropis simus pecosensis)	3	21	Develop a video or slide program	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, New Mexico Department of Game and Fish, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	
Pecos bluntnose shiner (Notropis simus pecosensis)	2	22	Provide Section 7 consultation and enforce state regulations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Other: Regulations	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	Section 7 consultation is ongoing on various projects on the Pecos River. NMDGF is responsible for all collecting permits issued for the Pecos River for PBS.
Pecos bluntnose shiner (Notropis simus pecosensis)	3	23	Continue prohibition of commercial minnow harvest in designated reaches of the river	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Fish and Wildlife Service, Law Enforcement Division, New Mexico Department of Game and Fish, USFWS Regional Office 2	Other: Law Enforcement, Other: Regulations	Contract	

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Pecos bluntnose shiner (Notropis simus pecosensis)	3	3	Determine food habitats and relate habitat use	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Work type not yet selected	Labor type not yet selected	This research still needs to be conducted.
Pecos bluntnose shiner (Notropis simus pecosensis)	3	4	Determine seasonal and annual population dynamics	Complete	Prior to FY 1995	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Population Surveys	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	The Fishery Resources Office examined population dynamics, including seasonal changes in the population of the Pecos bluntnose shiner. Work was done from 1992-2002 and summarized in a report published in 2003.
Pecos bluntnose shiner (Notropis simus pecosensis)	2	5	Determine present distribution	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2	Research: Population Surveys	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Population surveys are done every year to document shiner distribution and abundance. The Fishery Resources Office conducts the surveys often in cooperation with NMDGF or other agencies.
Pecos bluntnose shiner (Notropis simus pecosensis)	1	6	Monitor populations and habitats	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Habitat Status, Research: Population Surveys	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance	Population surveys are done every year to document shiner distribution and abundance. The Fishery Resources Office conducts the surveys often in cooperation with NMDGF or other agencies.

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Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	2	7	Determine ontogenic patterns of macro-habitat utilization	Complete	Prior to FY 1995	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Demographic Studies, Research: Habitat Requirements	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	The Fishery Resources Office examined population dynamics, and habitat use by age class from 1992-1999.
Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	2	8	Determine extent of available habitat	Complete	Prior to FY 1995	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Bureau of Reclamation, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Habitat Status	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	The Fishery Resources Office completed a 8-year study on habitat suitability as it related to flow. Completed report was published in 2003. SWCA, a consulting firm conducted a habitat study during drought years (2002-2003) and produced a report in 2004.
Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	1	9	Determine effects flow on habitat	Complete	Prior to FY 1995	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, New Mexico Department of Game and Fish, USFWS Regional Office 2, Fishery Resources Program	Research: Habitat Requirements	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert	The Fishery Resources Office completed a 8-year study on habitat suitability as it related to flow. Completed report was published in 2003. SWCA, a consulting firm conducted a habitat study during drought years (2002-2003) and produced a report in 2004.